

Fig-1

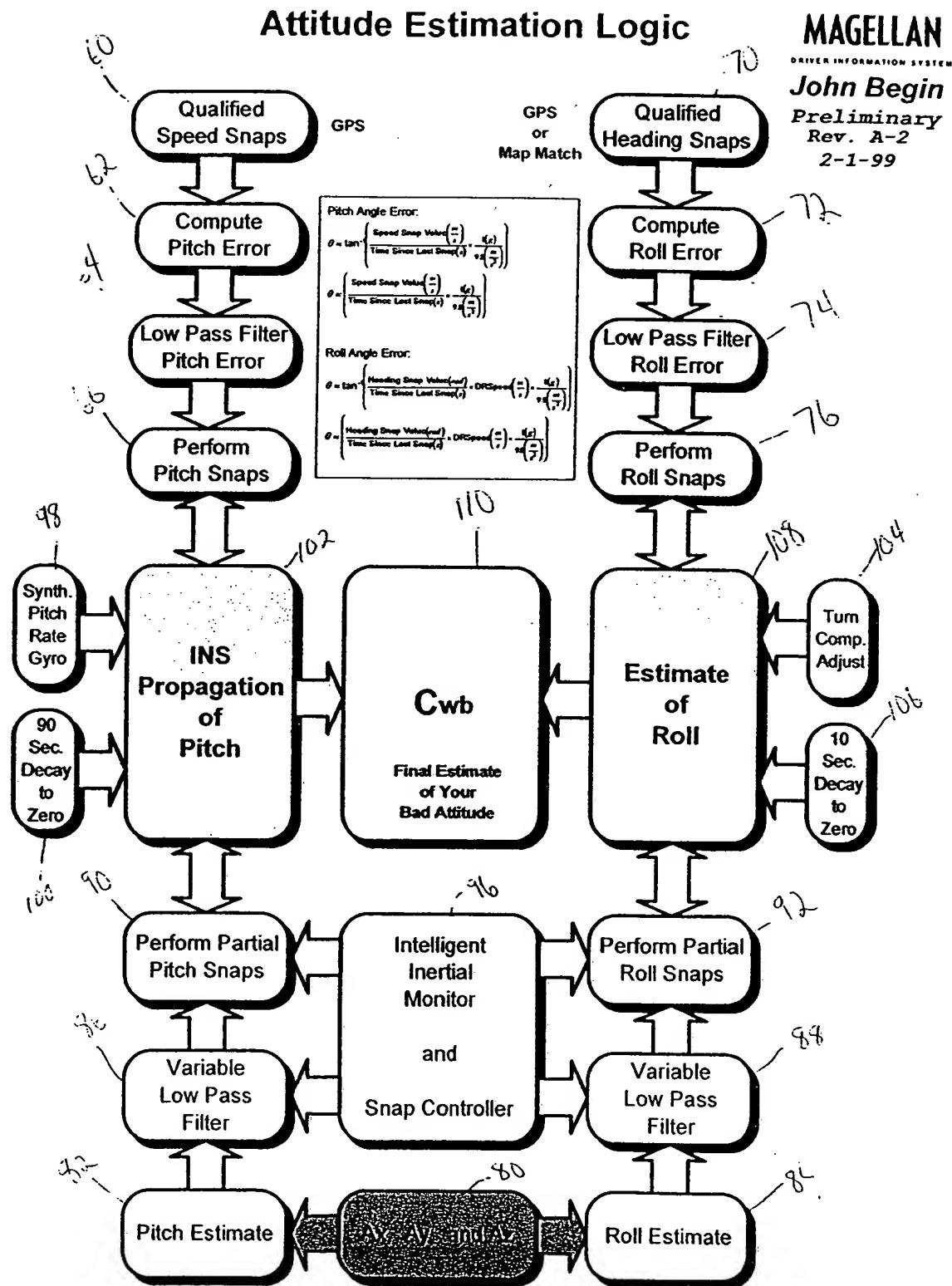
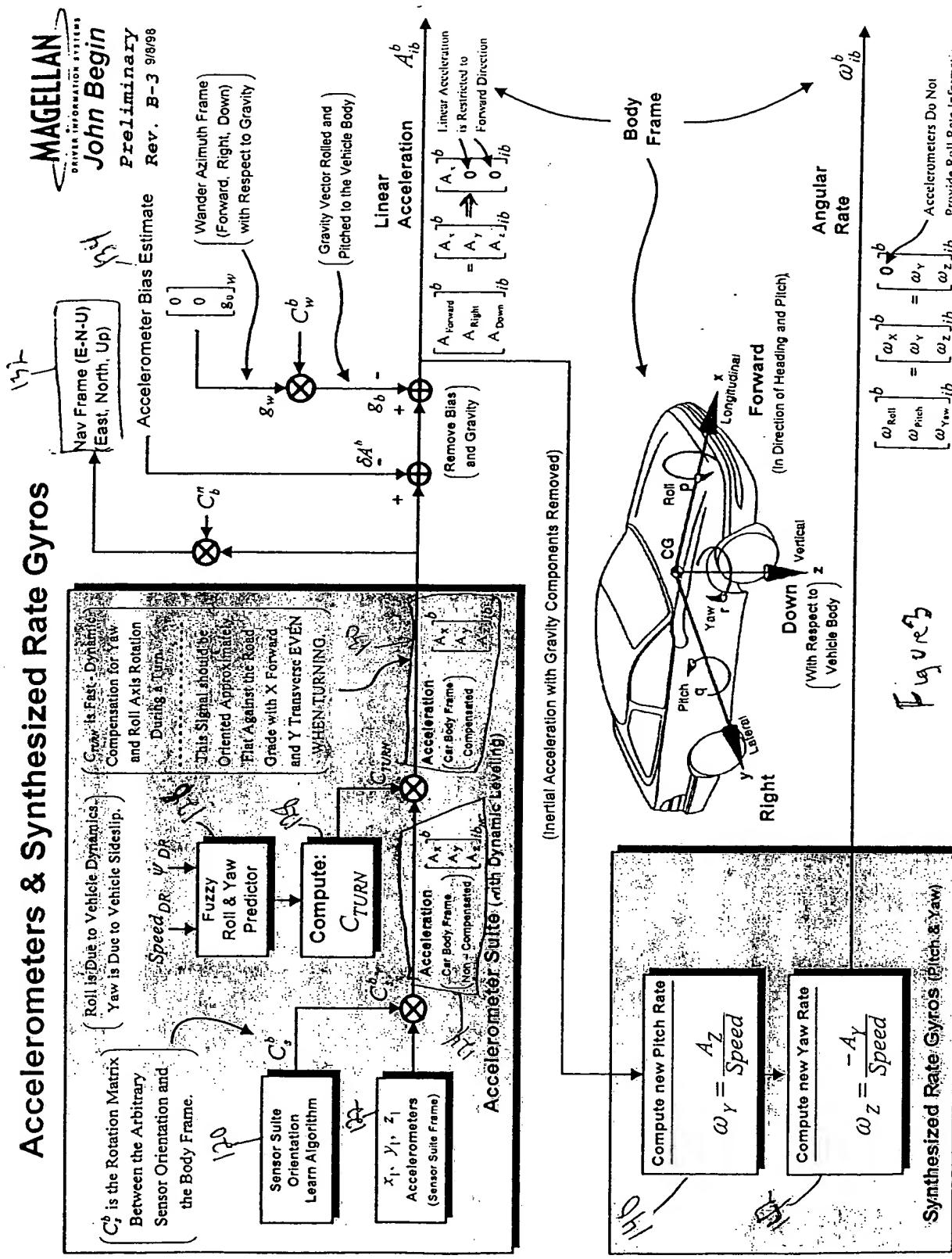


Figure 2

Accelerometers & Synthesized Rate Gyros



INS Dynamic Propagation Model

MAGELLAN
DRIVEN INFORMATION SYSTEMS
John Begin
Preliminary
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Notes

- Knowledge Based Limits may be utilized with all Variables including Turn Rate, Forward Acceleration, Forward Speed, Pitch & Pitch Rate.
- Attitude does Not Include Heading. Since the Vehicle only moves in the \pm Forward Direction, Heading Information is contained within V_E and V_N and is propagated as velocity.

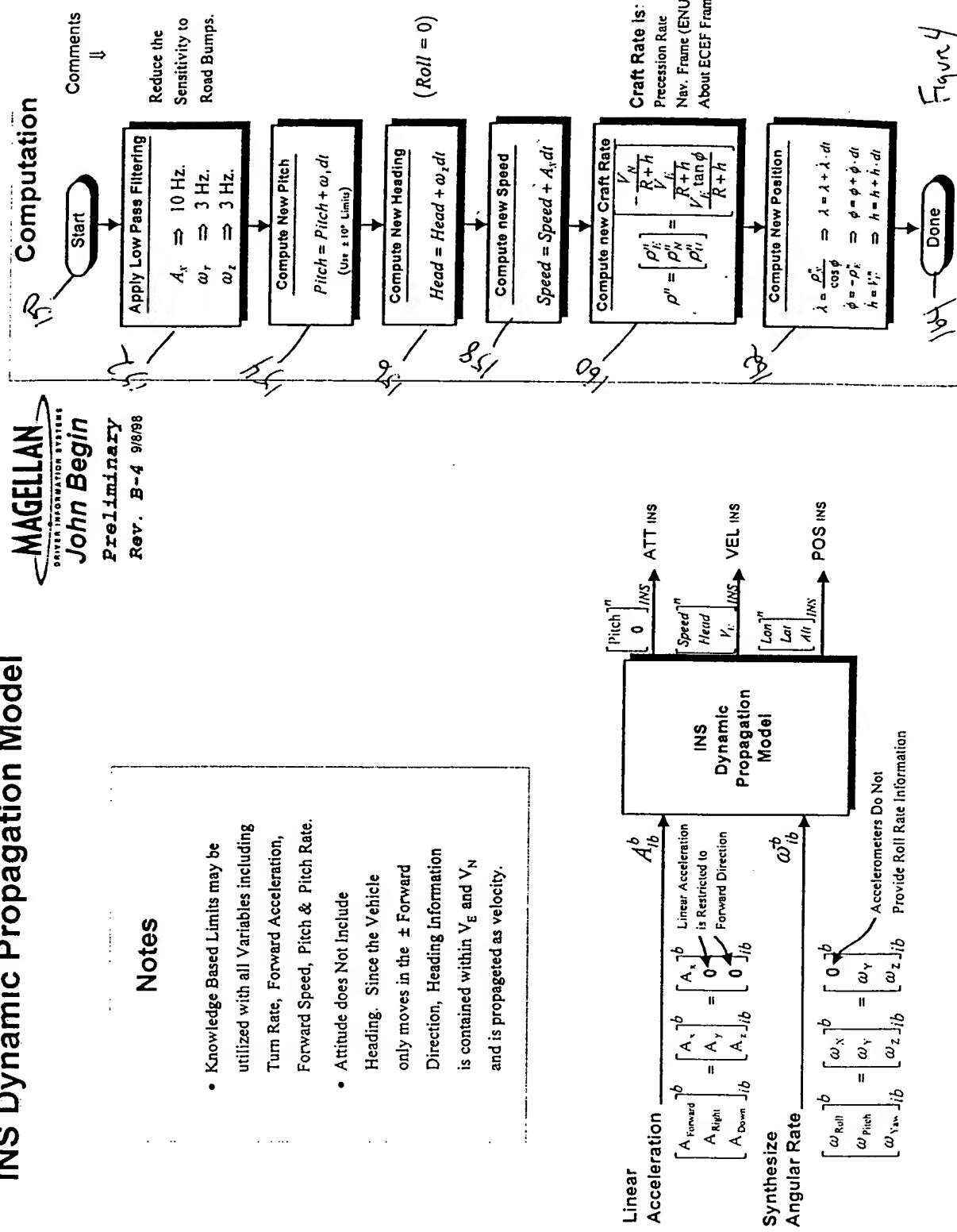


Figure 4